

# Converting Colors

Hex(04BDDF)

Have a look what the booklet for  
Hex(04BDDF) contains.

<b>Hex(04BDDF)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(04BDDF)**

# Conversions

## Conversions Part 1

Format	Color
Hex	04BDDF
RGB	4, 189, 223
RGB Percent	2%, 74%, 87%
CMY	0.9843, 0.2588, 0.1255
CMYK	0.98, 0.15, 0.00, 0.13
HSL	189°, 96%, 45%
HSV	189°, 98%, 87%
XYZ	31.5669, 41.7487, 76.2066
YIQ	137.5610, -121.1740, -28.6460

# Conversions

## Conversions Part 2

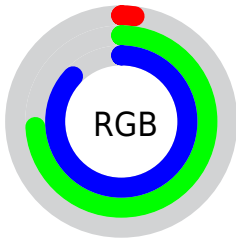
<b>Format</b>	<b>Color</b>
<b>RYB</b>	4, 104, 223
Decimal	310751
CIELab	70.70, -27.44, -28.09
CIELCh	71, 39.268, 225.678
Yxy	41.7487, 0.2111, 0.2792
Android (android.graphics.Color)	4278500831 (0xFF04BDDF)
YUV	137.5610, 42.1214, -117.1330
Hunter-Lab	64.6132, -25.8666, -24.6989

# Details

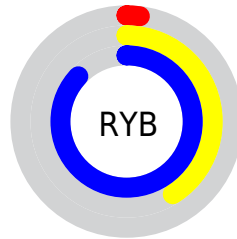
The Hex color **04BDDF** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **DF2604**, and the grayscale version is **898989**.

A 20% lighter version of the original color is **6CF6FF**, and **0087A8** is the 20% darker color. If you saturate the color by 10%, you get **00BCDF**, and if you desaturate by 10%, it is **1AC0DF**.

# Distribution



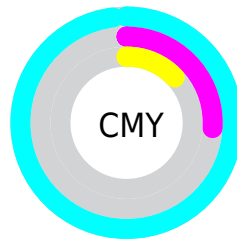
- Red (2%)
- Green (74%)
- Blue (87%)



- Red (2%)
- Yellow (41%)
- Blue (87%)



- Cyan (98%)
- Magenta (15%)
- Yellow (0%)
- Black (13%)



- Cyan (98%)
- Magenta (26%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 04BDDF changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Hex color 04BDDF by changing the saturation by 10% instead.



 04BDDF

 04BDDF

FFFFFF

 00A2C3

 6CF6FF

 0087A8

 8DFFFF

 006E8D

 ADFFFF

 005574

 CDFFFF

 003D5B

 ECFFFF

 002843

 00082D

 000118

 000000

04BDDF

04BDDF

00BCDF

1AC0DF

31C4DF

47C7DF

5DCBDF

73CEDF

8AD2DF

A0D5DF

B6D9DF

CDDCDF

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



1FC0BF



04BDDF



59B6F2

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



04BDDF



E893C0



B2B167

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



04BDDF



DF2604

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



D3A568



04BDDF



F3919B

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



04BDDF



C89DDF



EB997B



89BA7A

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



04BDDF



84AEF4



EB997B



BEAD65

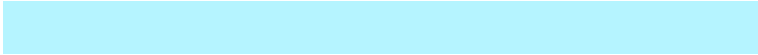


# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



04BDDF



B5F4FF



04DF25



537980



000000



808080

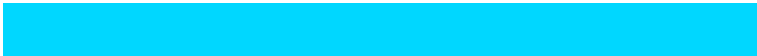


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



04BDDF



00D7FF



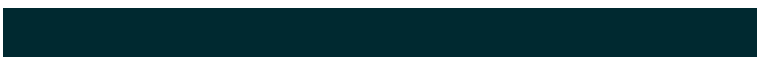
0451DF



656E70



0095B0



002930



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



DF04BD



FF00D7



DF9204



70656E



B00095

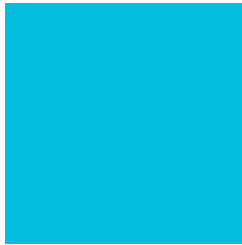


300029



# Previews

## White Background



This preview shows how the Hex color 04BDDF looks on a white background.

## Color Contrast Check

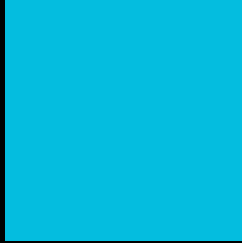
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 04BDDF looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

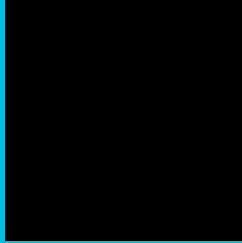
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 04BDDF Background



This preview shows how black text looks on a background with the Hex color 04BDDF.

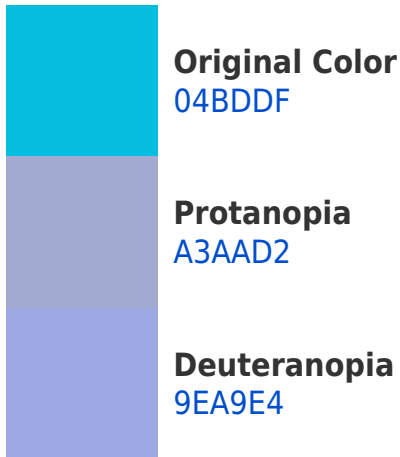


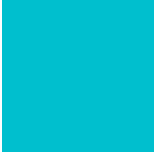
This preview shows how white text looks on a background with the Hex color 04BDDF.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy





**Tritanopia**  
00BFCE

# Trichromacy



**Original Color**  
04BDDF



**Protanomaly**  
69B1D7



**Deuteranomaly**  
66B0E2



**Tritanomaly**  
01BED4

# Monochromacy



**Original Color**  
04BDDF



**Achromatopsia**  
8A8A8A



**Achromatomaly**  
599DA9

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 04BDDF is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color #04BDDF looks like.

```
.text, #text, p{  
  color:#04BDDF  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel #04BDDF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #04BDDF
}
```

## Border

The CSS property to change the border of an element to Hex 04BDDF is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#04BDDF }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:#04BDDF }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel #04BDDF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #04BDDF; -webkit-box-shadow:4px 4px  
4px 4px #04BDDF; box-shadow:4px 4px 4px  
4px #04BDDF }
```

# Background

The CSS property to change the background color of an element to Hex 04BDDF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#04BDDF }
```

If only the background color should be changed can be used:

```
.background{ background-color:#04BDDF }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor